

# Mohsen Shahlaei

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135  
papers

1,707  
citations

24  
h-index

34  
g-index

139  
ext. papers

2,074  
ext. citations

4.4  
avg, IF

5.61  
L-index

#	Paper	IF	Citations
135	Metal ion-doped CdTe-based quantum dots: preparation, characterization and photocatalytic application. <i>Chemical Papers</i> , <b>2022</b> , 76, 3215	1.9	0
134	Simultaneous electrochemical investigation and detection of two glucocorticoids; interactions with human growth hormone, somatropin. <i>Results in Chemistry</i> , <b>2022</b> , 4, 100324	2.1	0
133	Inhibition of SARS-CoV-2 pathogenesis by potent peptides designed by the mutation of ACE2 binding region. <i>Computers in Biology and Medicine</i> , <b>2022</b> , 105625	7	1
132	Targeting SARS-COV-2 non-structural protein 16: a virtual drug repurposing study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 4633-4646	3.6	33
131	Computational investigation on the effects of pharmaceutical polymers on the structure and dynamics of interleukin2 in heat stress. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 4536-4546	3.6	1
130	Reduced graphene oxide supported Ti-based metal-organic framework as a novel electrochemical sensor for electro-oxidation of Propranolol. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 8396-8409	2.1	1
129	A molecular dynamics study on using of naturally occurring polymers for structural stabilization of erythropoietin at high temperature. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-11	3.6	1
128	Evaluation of the effects of isoniazid and rifampin on the structure and activity of pepsin enzyme by multi spectroscopy and molecular modeling methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 253, 119523	4.4	1
127	The electrochemical immunosensor for detection of prostatic specific antigen using quince seed mucilage-GNPs-SNPs as a green composite. <i>Bioelectrochemistry</i> , <b>2021</b> , 139, 107744	5.6	4
126	Nano drug delivery systems: Molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 332, 115823	3	10
125	Introduction of a thrombin sensor based on its interaction with dabigatran as an oral direct thrombin inhibitor. <i>Materials Science and Engineering C</i> , <b>2021</b> , 119, 111417	8.3	5
124	Enhanced heterogeneous Fenton oxidation of organic pollutant via Fe-containing mesoporous silica composites: A review. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 321, 114896	6	15
123	Cholesterol-lowering drugs the simvastatin and atorvastatin change the protease activity of pepsin: An experimental and computational study. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 1414-1423	7.9	2
122	A novel amino cellulose derivative using ATRP method: Preparation, characterization, and investigation of its antibacterial activity. <i>Bioorganic Chemistry</i> , <b>2021</b> , 106, 104355	5.1	1
121	Synthesis of (Z)-3-((5-(benzylthio)-4H-1,2,4-triazol-3-yl)imino)-5-haloindolin-2-one derivatives: combined spectroscopic and computational investigations on the level and activity of matrix metalloproteinases 2 and 9 in cancer cell lines. <i>Journal of the Iranian Chemical Society</i> , <b>2021</b> , 18, 1781-1800	2	0
120	Interactions and effects of food additive dye Allura red on pepsin structure and protease activity; experimental and computational supports. <i>Research in Pharmaceutical Sciences</i> , <b>2021</b> , 16, 58-70	2.6	1
119	Investigating the protective effects of carbohydrate coatings on the structure and dynamic of l-asparaginase against heat stress; a molecular dynamic simulation. <i>Informatics in Medicine Unlocked</i> , <b>2021</b> , 25, 100689	5.3	0

118	A novel fluorescent turn-on probe for hydrogen peroxide based on carbon dots. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 5615-5623	2.1	0
117	Sensitive electrochemical sensor for lamotrigine based on modified carbon paste electrode. <i>Monatshefte Für Chemie</i> , <b>2021</b> , 152, 903-914	1.4	1
116	In silico investigation on the inhibitory effect of fungal secondary metabolites on RNA dependent RNA polymerase of SARS-CoV-II: A docking and molecular dynamic simulation study. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 135, 104613	7	10
115	Development of Ag nanoparticle-carbon quantum dot nanocomplex as fluorescence sensor for determination of gemcitabine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 262, 120148	4.4	3
114	New and sensitive sensor for voltammetry determination of Methamphetamine in biological samples. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 10989-11000	2.1	10
113	Effectiveness of naltrexone treatment for alcohol use disorders in HIV: a systematic review. <i>Substance Abuse Treatment, Prevention, and Policy</i> , <b>2020</b> , 15, 24	3.4	7
112	A simple method for determination of mercury (II) ions by PNBS-doped carbon dots as a fluorescent probe. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 5975-5983	2.1	8
111	An Impedimetric Immunosensor modified with electrospun core-shell nanofibers for determination of the carcinoma embryonic antigen. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 311, 127928	8.5	24
110	The effects of rose pigments extracted by different methods on the optical properties of carbon quantum dots and its efficacy in the determination of Diazinon. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105232	4.8	13
109	Metformin accelerates myelin recovery and ameliorates behavioral deficits in the animal model of multiple sclerosis via adjustment of AMPK/Nrf2/mTOR signaling and maintenance of endogenous oligodendrogenesis during brain self-repairing period. <i>Pharmacological Reports</i> , <b>2020</b> , 72, 641-658	3.9	10
108	TSGA10 Over Expression Decreases Metastatic and Metabolic Activity by Inhibiting HIF-1 in Breast Cancer Cells. <i>Archives of Medical Research</i> , <b>2020</b> , 51, 41-53	6.6	3
107	Physiological changes in the albumin-bound non-esterified free fatty acids critically influence heme/bilirubin binding properties of the protein: A comparative, in vitro, spectroscopic study using the endogenous biomolecules. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 225, 118000	4.4	1
106	Hydrophilic Natural Polymers for Sustained-controlled Release of Calcium Hydroxide. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2020</b> , 19, 323-332	1.1	
105	Preparation and Characterization of Magnetic Polypyrrole Composite Microspheres Decorated with Copper (II) As A Sensing Platform for Electrochemical Detection of Carbamazepine. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2020</b> , 19, 19-34	1.1	
104	Polyvinyl alcohol/Gum tragacanth/graphene oxide composite nanofiber for antibiotic delivery. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 60, 102044	4.5	24
103	TSGA10 overexpression inhibits angiogenesis of HUVECs: A HIF-2 $\beta$ biased perspective. <i>Microvascular Research</i> , <b>2020</b> , 128, 103952	3.7	4
102	Ultrasonic Enhanced Zero-Valent Iron-Based Fenton Reaction for Ciprofloxacin Removal under Aerobic Condition. <i>Environmental Processes</i> , <b>2020</b> , 7, 227-241	2.8	5
101	Sustained release nanofibrous composite patch for transdermal antibiotic delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 586, 124267	5.1	17

100	An innovative green sensing strategy based on Cu-doped Tragacanth/Chitosan nano carbon dots for Isoniazid detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117848	4.4	11
99	Multi spectroscopy and molecular modeling aspects related to drug interaction of aspirin and warfarin with pepsin; structural change and protease activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117813	4.4	8
98	A study on the protease activity and structure of pepsin in the presence of atenolol and diltiazem. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 2855-2868	7.9	1
97	Fenton-like removal of tetracycline from aqueous solution using iron-containing carbon dot nanocatalysts. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 17735-17743	3.6	4
96	Stealth cross-linked polymeric nanoparticles for passive drug targeting: a combination of molecular docking and comprehensive in vitro assay. <i>Bulletin of Materials Science</i> , <b>2020</b> , 43, 1	1.7	
95	Two-dimensional nanostructure colloids in novel nano drug delivery systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 585, 124077	5.1	9
94	Sepantronium Bromide (YM155), A Small Molecule Survivin Inhibitor, Promotes Apoptosis by Induction of Oxidative Stress, Worsens the Behavioral Deficits and Develops an Early Model of Toxic Demyelination: In Vivo and In-Silico Study. <i>Neurochemical Research</i> , <b>2019</b> , 44, 2482-2498	4.6	6
93	Simultaneously implement of both weak magnetic field and aeration for ciprofloxacin removal by Fenton-like reaction. <i>Journal of Environmental Management</i> , <b>2019</b> , 246, 776-784	7.9	13
92	A new sensing strategy based on thymine bases/Hg <sup>2+</sup> and methylene blue coordination on the electrospun PES/QDs platform for detection of Hg <sup>2+</sup> in fruit juice samples. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 2269-2279	2	6
91	Dipyridamole inhibits $\alpha$ -amylase/ $\alpha$ -glucosidase at sub-micromolar concentrations; in-vitro, in-vivo and theoretical studies. <i>Bioorganic Chemistry</i> , <b>2019</b> , 88, 102972	5.1	9
90	A Comprehensive Physicochemical, In Vitro and Molecular Characterization of Letrozole Incorporated Chitosan-Lipid Nanocomplex. <i>Pharmaceutical Research</i> , <b>2019</b> , 36, 62	4.5	21
89	Application of general regression neural network and central composite design in fabrication and performance of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) modified carbon paste electrode for the electrochemical detection of Clomiphene. <i>Microchemical Journal</i> , <b>2019</b> , 147, 1028-1037	4.8	2
88	Shedding light on the structural properties of lipid bilayers using molecular dynamics simulation: a review study.. <i>RSC Advances</i> , <b>2019</b> , 9, 4644-4658	3.7	32
87	A signal amplification by QDs used for ferrocene-labeled sandwich aptasensor for determination of Hg <sup>2+</sup> in water samples. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 2555-2564	2	5
86	Preparation, characterization and cell cytotoxicity of Pd-doped CdTe quantum dots and its application as a sensitive fluorescent nanoprobe. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14233-14242	2.1	3
85	Investigation on the effects of Bactenecin on POPC membrane in atomistic details using molecular dynamics simulation. <i>Journal of Reports in Pharmaceutical Sciences</i> , <b>2019</b> , 8, 13	0.4	
84	Impedimetric aptamer based determination of the tumor marker MUC1 by using electrospun core-shell nanofibers. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 5	5.8	9
83	Comparative molecular dynamic simulation study on the use of chitosan for temperature stabilization of interferon $\beta$ . <i>Carbohydrate Polymers</i> , <b>2019</b> , 203, 52-59	10.3	23

82	A new composite of nano zero-valent iron encapsulated in carbon dots for oxidative removal of bio-refractory antibiotics from water. <i>Journal of Cleaner Production</i> , <b>2019</b> , 209, 1523-1532	10.3	49
81	Facile aqueous synthesis of Ni-doped CdTe quantum dots as fluorescent probes for detecting pyrazinamide in plasma. <i>Microchemical Journal</i> , <b>2019</b> , 146, 293-299	4.8	12
80	Atomistic details on the mechanism of organophosphates resistance in insects: Insights from homology modeling, docking and molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 276, 59-66	6	9
79	Application of carbon dots as efficient catalyst for the green oxidation of phenol: Kinetic study of the degradation and optimization using response surface methodology. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 353, 444-453	12.8	33
78	Comparative experimental/theoretical studies on the EGFR dimerization under the effect of EGF/EGF analogues binding: Highlighting the importance of EGF/EGFR interactions at site III interface. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 401-417	7.9	5
77	Gastric cancer biomarkers; A systems biology approach. <i>Biochemistry and Biophysics Reports</i> , <b>2018</b> , 13, 141-146	2.2	12
76	Study of dual encapsulation possibility of hydrophobic and hydrophilic drugs into a nanocarrier based on bio-polymer coated graphene oxide using density functional theory, molecular dynamics simulation and experimental methods. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 262, 204-217	6	26
75	Direct evidences for the groove binding of the Clomifene to double stranded DNA. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 40-53	7.9	25
74	Easy synthesis, characterization and cell cytotoxicity of green nano carbon dots using hydrothermal carbonization of Gum Tragacanth and chitosan bio-polymers for bioimaging. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 259, 284-290	6	48
73	Experimental and computational studies on the binding of diazinon to human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 1490-1510	3.6	36
72	The applications of PCA in QSAR studies: A case study on CCR5 antagonists. <i>Chemical Biology and Drug Design</i> , <b>2018</b> , 91, 137-152	2.9	26
71	Investigation on human serum albumin and Gum Tragacanth interactions using experimental and computational methods. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 2525-2533	7.9	20
70	A simple and label-free genosensor for BRCA1 related sequence based on electrospun ribbon conductive nanofibers. <i>Microchemical Journal</i> , <b>2018</b> , 143, 118-126	4.8	11
69	Chitosan/gelatin as a new nano-carrier system for calcium hydroxide delivery in endodontic applications: Development, characterization and process optimization. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 540-546	8.3	19
68	A molecular dynamics simulation study on the mechanism of loading of gemcitabine and camptothecin in poly lactic-co-glycolic acid as a nano drug delivery system. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 110-118	6	27
67	Magnetic framework composite as sorbent for magnetic solid phase extraction coupled with high performance liquid chromatography for simultaneous extraction and determination of tricyclic antidepressants. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1034, 204-213	6.6	62
66	Nano-biosensors in cellular and molecular biology. <i>Cellular and Molecular Biology</i> , <b>2018</b> , 64, 85	1.1	8
65	Combined Unfolded Principal Component Analysis and Artificial Neural Network for Determination of Ibuprofen in Human Serum by Three-Dimensional Excitation-Emission Matrix Fluorescence Spectroscopy. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2018</b> , 17, 864-882	1.1	1

64	Discovery of Novel Glucagon Receptor Antagonists Using Combined Pharmacophore Modeling and Docking. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2018</b> , 17, 1263-1287	1.1	1
63	Elucidating the interaction of letrozole with human serum albumin by combination of spectroscopic and molecular modeling techniques. <i>Research in Pharmaceutical Sciences</i> , <b>2018</b> , 13, 304-315	2.6	8
62	Exploring the interaction between epidermal growth factor receptor tyrosine kinase and some of the synthesized inhibitors using combination of and cytotoxicity methods. <i>Research in Pharmaceutical Sciences</i> , <b>2018</b> , 13, 509-522	2.6	9
61	Exploring the interaction between site-markers, aspirin and esterase-like activity ternary systems on the human serum albumin: direct evidence for modulation of catalytic activity of the protein in different inhibition modes. <i>Journal of the Iranian Chemical Society</i> , <b>2018</b> , 15, 555-573	2	5
60	Insights from a combination of theoretical and experimental methods for probing the biomolecular interactions between human serum albumin and clomiphene.. <i>RSC Advances</i> , <b>2018</b> , 8, 40663-40675	3.7	1
59	Quantitative structure-property relationship (QSPR) models for predicting the physicochemical properties of polychlorinated biphenyls (PCBs) using deep belief network. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 162, 17-28	7	13
58	Rapid determination of the anti-cancer agent Gemcitabine in biological samples by fluorescence sensor based on Au-doped CdTe. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 266, 514-521	6	7
57	Nano-biosensors in cellular and molecular biology. <i>Cellular and Molecular Biology</i> , <b>2018</b> , 64, 85-90	1.1	1
56	Epirubicin-calf thymus DNA interaction: a comprehensive investigation using molecular docking, spectroscopy and fluorescent quantum dots. <i>Cellular and Molecular Biology</i> , <b>2018</b> , 64, 1-7	1.1	
55	Critical effects on binding of epidermal growth factor produced by amino acid substitutions. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1085-1101	3.6	5
54	A coupling of homology modeling with multiple molecular dynamics simulation for identifying representative conformation of GPCR structures: a case study on human bombesin receptor subtype-3. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 250-272	3.6	13
53	Electrocatalytic oxidation and determination of dexamethasone at an Fe <sub>3</sub> O <sub>4</sub> /PANi/CuII microsphere modified carbon ionic liquid electrode. <i>RSC Advances</i> , <b>2017</b> , 7, 11322-11330	3.7	17
52	Development of a human epidermal growth factor derivative with EGFR-blocking and depleted biological activities: A comparative in vitro study using EGFR-positive breast cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 275-285	7.9	8
51	Exploring the binding mechanism of paraquat to DNA by a combination of spectroscopic, cellular uptake, molecular docking and molecular dynamics simulation methods. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 14188-14198	3.6	17
50	A Study on the Binding of Loperamide to Human Serum Albumin Using Combination of Computational and Experimental Methods. <i>Biochemistry and Analytical Biochemistry: Current Research</i> , <b>2017</b> , 06,		3
49	Diethylalkylsulfonamido(4-methoxyphenyl)methyl)phosphonate/phosphonic acid derivatives act as acid phosphatase inhibitors: synthesis accompanied by experimental and molecular modeling assessments. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 20-28	5.6	6
48	Molecular insight into the Grandivitin- matrix metalloproteinase 9 interactions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 162, 493-499	6.7	4
47	Multi-spectroscopic and molecular modeling investigation of the interactions between prantschimgin and matrix metalloproteinase 9 (MMP9). <i>Luminescence</i> , <b>2016</b> , 31, 587-593	2.5	6

46	New function of TSGA10 gene in angiogenesis and tumor metastasis: a response to a challengeable paradox. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 233-44	5.6	37
45	Virtual screening based on pharmacophore model followed by docking simulation studies in search of potential inhibitors for p38 map kinase. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 80, 352-372	7.5	8
44	Comparison of correlation ranking and eigenvalue ranking unfolded principal component regression for direct determination of naproxen in human serum using excitation-emission matrix fluorescence spectroscopy. <i>Journal of the Iranian Chemical Society</i> , <b>2015</b> , 12, 967-977	2	4
43	Analysis of the flexibility and stability of the structure of magainin in a bilayer, and in aqueous and nonaqueous solutions using molecular dynamics simulations. <i>Journal of Molecular Modeling</i> , <b>2015</b> , 21, 73	2	7
42	Combined spectroscopy and molecular modeling studies on the binding of galbanic acid and MMP9. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 308-15	7.9	9
41	Exploring binding properties of sertraline with human serum albumin: Combination of spectroscopic and molecular modeling studies. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 242, 235-46	5	32
40	Synthesis, characterization and comparative DNA interaction studies of new copper(II) and nickel(II) complexes containing mesalamine drug using molecular modeling and multispectroscopic methods. <i>Journal of Coordination Chemistry</i> , <b>2015</b> , 68, 3667-3684	1.6	8
39	Constructing an atomic-resolution model of human P2X7 receptor followed by pharmacophore modeling to identify potential inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , <b>2015</b> , 61, 243-61	2.8	4
38	A Conformational Analysis Study on the Melanocortin 4 Receptor Using Multiple Molecular Dynamics Simulations. <i>Chemical Biology and Drug Design</i> , <b>2015</b> , 86, 309-21	2.9	8
37	Application of unfolded principal component analysis-radial basis function neural network for determination of celecoxib in human serum by three-dimensional excitation-emission matrix fluorescence spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 138, 675-83	4.4	6
36	Probing of possible olanzapine binding site on human serum albumin: Combination of spectroscopic methods and molecular dynamics simulation. <i>Journal of Luminescence</i> , <b>2015</b> , 158, 91-98	3.8	49
35	Spectroscopic study of drug-binding characteristics of unmodified and pNPA-based acetylated human serum albumin: Does esterase activity affect microenvironment of drug binding sites on the protein?. <i>Journal of Luminescence</i> , <b>2015</b> , 160, 351-361	3.8	35
34	Quantitative structure-activity relationship study of P2X7 receptor inhibitors using combination of principal component analysis and artificial intelligence methods. <i>Research in Pharmaceutical Sciences</i> , <b>2015</b> , 10, 307-25	2.6	5
33	QSAR Analysis of Some Antagonists for p38 map kinase Using Combination of Principal Component Analysis and Artificial Intelligence. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2015</b> , 18, 767-83	1.3	1
32	Application of radial basis function neural network and DFT quantum mechanical calculations for the prediction of the activity of 2-biarylethylimidazole derivatives as bombesin receptor subtype-3 (BRS-3) agonists. <i>Medicinal Chemistry Research</i> , <b>2014</b> , 23, 3681-3693	2.2	1
31	Computational neural network analysis of the affinity of 2-pyridyl-3,5-diaryl pyrroles analogs for the human glucagon receptor using density functional theory. <i>Medicinal Chemistry Research</i> , <b>2014</b> , 23, 2046-2061	2.2	1
30	Determination of Arsenic in Drinking Water Samples by Electrothermal Atomic Absorption Spectrometry after Preconcentration Using the Biomass of <i>Aspergillus niger</i> Loaded on Activated Charcoal. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-6	2.3	6
29	Prediction of glucagon receptor antagonist activities of some substituted imidazoles using combined radial basis function neural network and density functional theory. <i>Medicinal Chemistry Research</i> , <b>2014</b> , 23, 2744-2756	2.2	

28	Computational evaluation of some indenopyrazole derivatives as anticancer compounds; application of QSAR and docking methodologies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 16-32	5.6	14
27	Comparative evaluation of amphotericin B binding to the native and modified forms of rice lipid-transfer protein: a possible perspective on improving the drug-binding affinity and specificity. <i>Journal of the Iranian Chemical Society</i> , <b>2013</b> , 10, 937-950	2	4
26	A 2D image-based method for modeling some c-Src tyrosine kinase inhibitors. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 3012-3025	2.2	3
25	Molecular modeling, structure activity relationship and immunomodulatory properties of some lupeol derivatives. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 1795-1803	2.2	13
24	Molecular dynamics simulation of chemokine receptors in lipid bilayer: a case study on C-C chemokine receptor type 2. <i>Chemical Biology and Drug Design</i> , <b>2013</b> , 82, 534-45	2.9	15
23	QSAR analysis of some 1-(3,3-diphenylpropyl)-piperidinyl amides and ureas as CCR5 inhibitors using genetic algorithm-least square support vector machine. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 4384-4400	2.2	11
22	Modeling of CCR5 antagonists as anti HIV agents using combined genetic algorithm and adaptive neuro-fuzzy inference system (GAANFIS). <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 4423-4436	2.2	6
21	Statistically validated QSAR study of some antagonists of the human CCR5 receptor using least square support vector machine based on the genetic algorithm and factor analysis. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 1399-1414	2.2	7
20	Stepwise MLR and PCR QSAR study of the pharmaceutical activities of antimalarial 3-hydroxypyridinone agents using B3LYP/6-311++G** descriptors. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 1679-1688	2.2	19
19	Descriptor selection methods in quantitative structure-activity relationship studies: a review study. <i>Chemical Reviews</i> , <b>2013</b> , 113, 8093-103	68.1	132
18	Direct Determination of Arsenic in Beet Sugar Molasses Using Nickel as Chemical Modifier by Electrothermal Atomic Absorption Spectrometry. <i>Journal of the Chinese Chemical Society</i> , <b>2013</b> , 60, 241-244	1.5	1
17	Application of an expert system based on Genetic Algorithm Adaptive Neuro-Fuzzy Inference System (GAANFIS) in QSAR of cathepsin K inhibitors. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 6182-6191	7.8	34
16	Comparative quantitative structure-activity relationship study of some 1-aminocyclopentyl-3-carboxyamides as CCR2 inhibitors using stepwise MLR, FA-MLR, and GA-PLS. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 100-115	2.2	9
15	QSAR study of anthranilic acid sulfonamides as methionine aminopeptidase-2 inhibitors. <i>Monatshefte Für Chemie</i> , <b>2012</b> , 143, 189-198	1.4	3
14	QSAR study of some CCR5 antagonists as anti-HIV agents using radial basis function neural network and general regression neural network on the basis of principal components. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 3246-3262	2.2	16
13	Homology modeling of human CCR5 and analysis of its binding properties through molecular docking and molecular dynamics simulation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 802-17	3.8	51
12	Exploring a model of a chemokine receptor/ligand complex in an explicit membrane environment by molecular dynamics simulation: the human CCR1 receptor. <i>Journal of Chemical Information and Modeling</i> , <b>2011</b> , 51, 2717-30	6.1	21
11	QSAR analysis for some diaryl-substituted pyrazoles as CCR2 inhibitors by GA-stepwise MLR. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 77, 75-85	2.9	22



10	Cycloartanes from <i>Euphorbia aellenii</i> Rech. f. and their Antiproliferative Activity. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2011</b> , 10, 105-12	1.1	17
9	Application of PC-ANN and PC-LS-SVM in QSAR of CCR1 antagonist compounds: a comparative study. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 1572-82	6.8	44
8	Application of partial least squares and radial basis function neural networks in multivariate imaging analysis-quantitative structure activity relationship: study of cyclin dependent kinase 4 inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , <b>2010</b> , 29, 518-28	2.8	24
7	Validated QSAR analysis of some diaryl substituted pyrazoles as CCR2 inhibitors by various linear and nonlinear multivariate chemometrics methods. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 3394-406	6.8	27
6	QSAR study of anthranilic acid sulfonamides as inhibitors of methionine aminopeptidase-2 using LS-SVM and GRNN based on principal components. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 4499-508	6.8	50
5	Simultaneous Determination of Tyrosine and Histidine by Differential Pulse Cathodic Stripping Voltammetry Using H-point Standard Addition Method in Tap and Seawater. <i>Electroanalysis</i> , <b>2009</b> , 21, NA-NA	3	1
4	Ultrasound assisted pseudo-digestion for determination of iron and manganese in citric acid fermentation mediums by electrothermal atomic absorption spectroscopy. <i>Open Chemistry</i> , <b>2009</b> , 7, 382-387	1.6	2
3	Application of Adsorptive Stripping Voltammetry for Determination of Uranium in the Presence of 3-Hydroxy-2-Naphthoic Hydrazide. <i>Analytical Letters</i> , <b>2009</b> , 42, 3085-3095	2.2	1
2	Determination of trace amounts of lead by adsorptive cathodic stripping voltammetry with L-3-(3,4-Dihydroxyphenyl)alanine. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2009</b> , 74, 599-610		1
1	New Zn(II)-Selective Potentiometric Sensor Based on 3-Hydroxy-2-Naphthoic Hydrazide. <i>Sensor Letters</i> , <b>2009</b> , 7, 119-125	0.9	3